

# **EDL Checker**

## **An Excel file with a VBA program for Quality Assuring Emissions Data in the EDL**

Download the EDL checker excel workbook and this instruction file from the website and save it to your computer hard drive at some location you can remember. It is also convenient to place a shortcut on your desktop for quick access.

The program performs many checks on the EDL to ensure:

- consistency of naming throughout the EDL
- consistency of presence in appropriate tables
- duplications of entries in tables
- consistency of stack parameters
- validity of fugitive parameters
- validity of SCC code
- validity of Pollutant codes
- validity of the Emission Calculation Method Code

The program examines all of the following tables in the EDL:

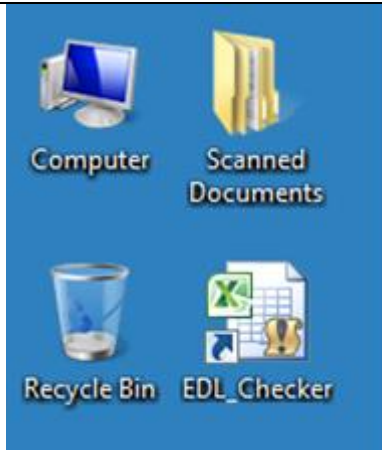
- Emission Unit (EU) Table
- Emission Release Point (ERP) Table
- Emission Process and Emission Period (EP\_PE) Table
- Emissions and Control Equipment (EM\_CE) Table,

Included are the latest lists for SCC codes, pollutant codes, and emission calculation method codes.

The program interface is an Excel user-form with labels for information and command buttons to execute functions. These command buttons and labels appear on the form in sequence as the program function requires. The program operation sequence is as follows:

- Select the 'Choose and Open an EDL file' button
- Find and enter row (line) numbers for each table into the text boxes provided – data rows only
  - Use Up & Down buttons to find the table row numbers
- Select the 'Done with Row #'s' button to begin making checks of the EDL file
- Select the 'OK' button after the 'Actual Emission summations completed!' message appears
  - Actual Emission summations are written to the EM\_SUM table
  - The EDL is saved with these summations added to the EM\_SUM table
  - Also, an Actual Emissions Excel file is created and saved with the EDL
- Select the 'END' button after it and the 'Checks Complete' label is displayed

The easiest method of using the checker program output is to open both the checker output text file and the EDL file so they may be examined together. On the following pages an example of using the EDL Checker is presented.



Open the EDL Checker program from where it has been saved on your computer hard drive, or open it from a shortcut on your desktop if you created one. Do not have the EDL file open prior to starting up the EDL Checker. As we walk-through the EDL Checker, the EDL will be opened by the EDL Checker.

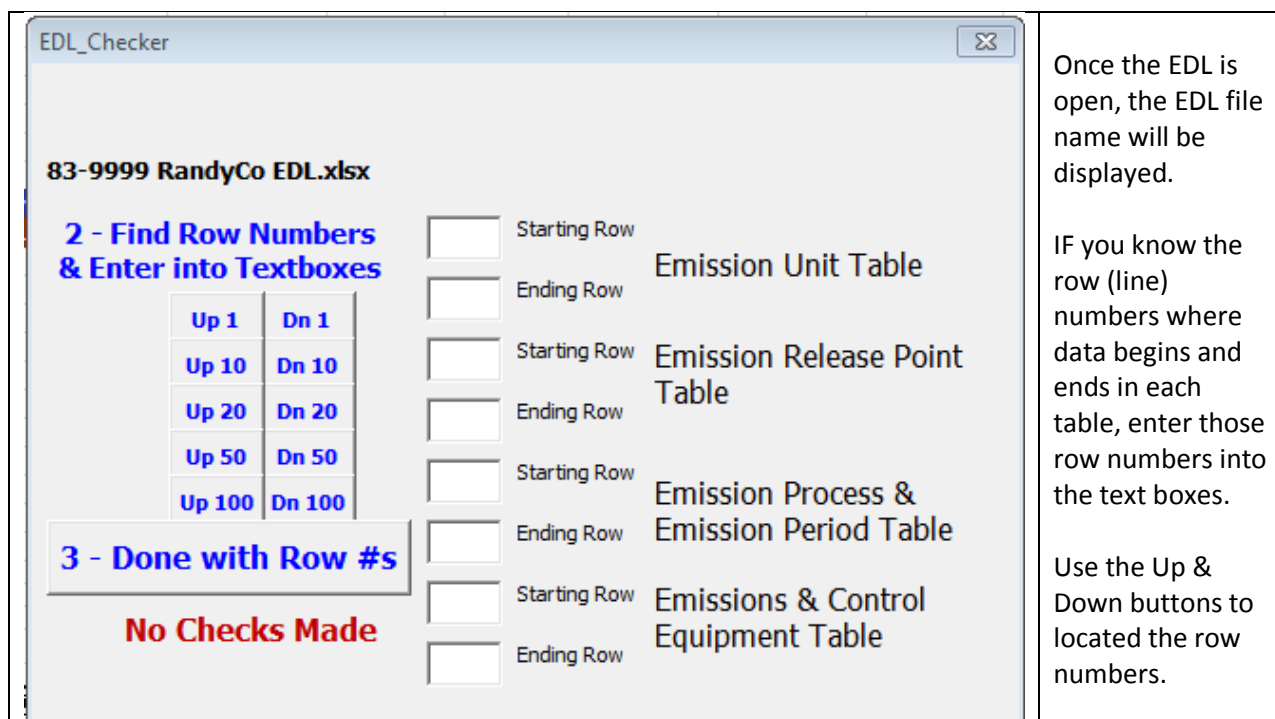
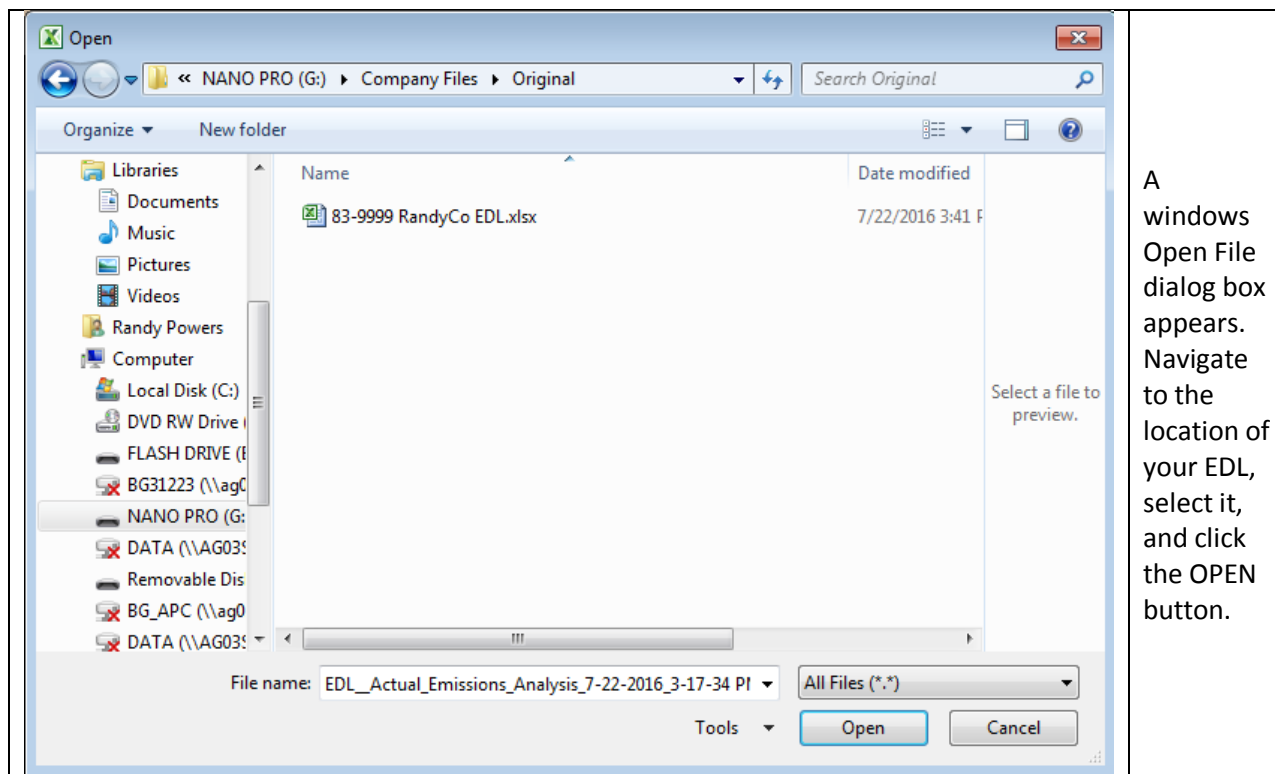
EDL\_Checker

**1 - Choose & Open EDL File**

**Selected EDL Name Appears Here**

<input type="text"/>	Starting Row	Emission Unit Table
<input type="text"/>	Ending Row	
<input type="text"/>	Starting Row	Emission Release Point Table
<input type="text"/>	Ending Row	
<input type="text"/>	Starting Row	Emission Process & Emission Period Table
<input type="text"/>	Ending Row	
<input type="text"/>	Starting Row	Emissions & Control Equipment Table
<input type="text"/>	Ending Row	

When the Excel file opens, this form will be displayed. The only action to be performed is to press the 'Choose & Open File' button.




While this program is running you cannot manipulate the Excel file itself. Only this program can be used. The UP & Down buttons allow you to move through and observe the EDL line numbers.

EDL_Checker		
83-9999 RandyCo EDL.xlsx		
<b>2 - Find Row Numbers &amp; Enter into Textboxes</b>		
Up 1	Dn 1	
Up 10	Dn 10	
Up 20	Dn 20	
Up 50	Dn 50	
Up 100	Dn 100	
<b>3 - Done with Row #s</b>		
<b>No Checks Made</b>		
32	Starting Row	Emission Unit Table
37	Ending Row	
45	Starting Row	Emission Release Point Table
48	Ending Row	
55	Starting Row	Emission Process & Emission Period Table
63	Ending Row	
70	Starting Row	Emissions & Control Equipment Table
105	Ending Row	

After entering the table start and end row numbers, click the 'Done with Row #s' button. The EDL Checker will begin making the many checks on the EDL.

EDL_Checker		
83-9999 RandyCo EDL.xlsx		
32	Starting Row	Emission Unit Table
37	Ending Row	
45	Starting Row	Emission Release Point Table
48	Ending Row	
55	Starting Row	Emission Process & Emission Period Table
63	Ending Row	
70	Starting Row	Emissions & Control Equipment Table
105	Ending Row	
<b>Processing</b>		

While the EDL Checker is making the many checks on the EDL, this display will be shown.

Microsoft Excel		
 Actual Emission summations completed!		
<input type="button" value="OK"/>		

This message box appears upon the conclusion of the EDL Checker making its many checks. Click the 'OK' button.

EDL\_Checker

1 - Choose & Open EDL File

Selected EDL Name Appears Here

Starting Row

Ending Row

Starting Row

Ending Row

Starting Row

Emission Unit Table

Emission Release Point Table

Emission Process & Emission Period Table

Emissions & Control Equipment Table

Checks Complete

4 - END

All checks have been completed and results saved in a text file with the EDL. Another Excel file was also saved with Actual Emission sums by pollutant from the Emissions Table. The Actual Emissions Summary has been saved in the EDL.

Choose now to END or to select another EDL.

When selecting END, proceed to next instruction.

Microsoft Excel

File

Home

Insert

Page Layout

Formulas

Data

Review

View

Developer

novaPDF

Paste

Clipboard

Font

Alignment

Number

Conditional Formatting

Format as Table

Cell Styles

Insert

Delete

Format

Sort & Filter

Find & Select

Editing

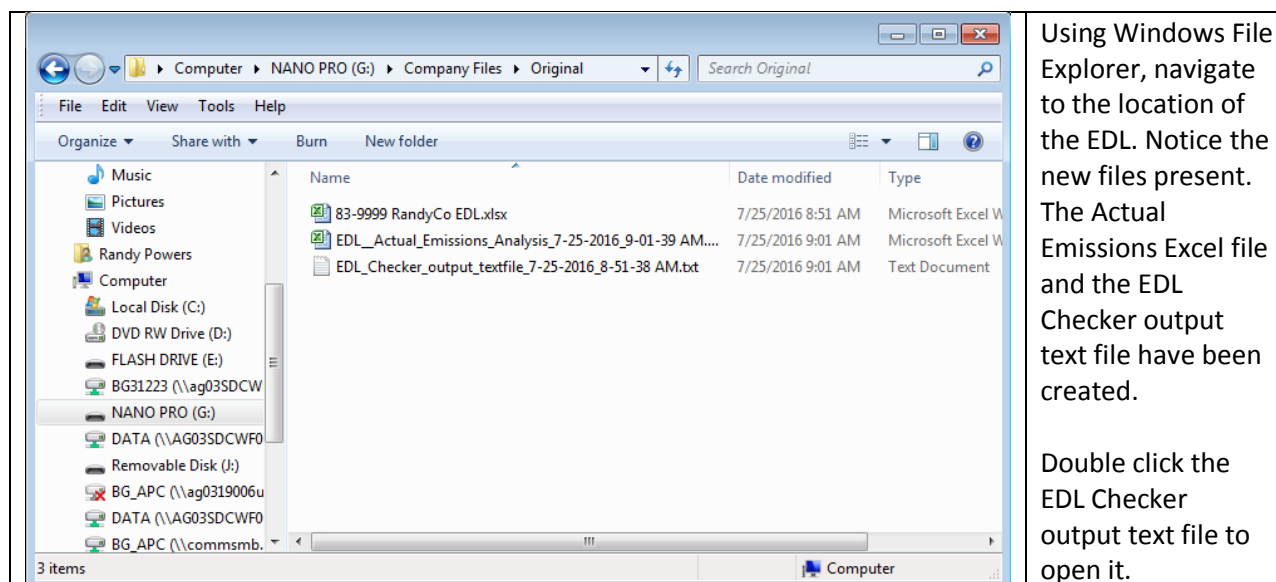
Ready

90%

Excel will remain open, but no file is open. From here you can open the EDL if needed. To know if it is needed. First open the EDL Checker output text file to read the results of the checks.

Inspection & evaluation of the EDL Checker results will show what corrections need to be made in the EDL.

Proceed to the next instruction.



The EDL Checker output text file maybe opened with any program that reads text files, i.e. Notepad, Word, etc. For ease of reading the file in Notepad, expand the width of the Notepad window to eliminate the need for lines to wrap to the next line. For ease of reading the file in Word, set the page orientation to landscape. For a list of programs on your computer with which to open a text file, click, using the right mouse button, on the file name in Windows Explorer, and a pop-up menu will appear. On this menu select the 'Open with' option. Another pop-up menu will appear with programs for you to select from. Click, using the left mouse button, on the name of the program you wish to choose.

Each check made by the EDL Checker has a title preceded and followed by a line of asterisks.

Errors detected by the making of checks will follow a title. Each error begins with a line number from the EDL where the error was detected, and if appropriate a row number from the EDL following the line number. Following the line and row numbers is a statement explaining the error detected in making the checks.

If no errors are detected for a particular type of check made, there will be no messages following the title for the check made. Proceed to the next title.

The easiest method of using the EDL Checker output is to open both the EDL Checker output file and the EDL file so they may be viewed together.

When errors are found in one check made, there is typically another error found in another check, which is a reciprocated error due to the checking methodology used by the program in checking for errors in a two-way fashion.

Upon completion of making corrections to the EDL, re-check the EDL using the EDL Checker. Continue repeating this process until the EDL Checker finds no errors. At this point there is a strong likely-hood, not a guarantee, that the EDL information will pass the tests made by the EPA upon TDEC submitting the information to the EPA.